

Q C 3

KANSAS DEPARTMENT OF TRANSPORTATION

2-12-10 E



1. ROUTE-COUNTY NO. 004-089	2. SOUNDING NO. 1	3. SHEET 1 OF 2
4. BRIDGE STA. 68+12.4 Croco Rd.	5. PROJECT NO. K-6252-01	6. BRIDGE NO. 470-89-11.89
7. DESCRIPTION Croco Rd over I-470	8. HOLE STA. 65+85.54 Lt 2	
9. GEOLOGIST Billinger	10. VERTICLE SCALE 1"=5'	11. DATE 5-28-97
12. DRILLER Sunderland	13. RIG Mobile B-61	14. ELEVATION TOP OF HOLE 1011.4
15. hole caved at GROUND WATER ELEV. 1007.4	16. TOTAL DEPTH OF HOLE 32.9	17. ELEVATION TOP OF ROCK 999.2

Croco Rd.

BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
							BLOWS	ELEV.
			0°	1011.4			S a m p l e #	
	Mantle			1010	Mantle, Silty clay, brown to tan.			
				1005				
				1000				
			122	999.2				
	Jones Point Mbr.	1	136	997.8	shale, weathered, olive	0.96	1	997.8
			150	996.4	Limestone, weathered, orange-brown	171.32	2	996.7
	Curzon Mbr.	2	169	995	Limestone, blocky, shaly			
				994.5	Limestone, gray, hard, blocky to massive.	345.44	3	993.9
				990		436.08	4	990.7
	Jawa Point	3	218	989.6	shale, firm, dark gray	13.02	5	989.0
			22.5	988.9	Limestone, gray, massive	125.83	6	988.4
	Hartford Mbr.	4		985		316.4	7	985.2
			283	983.1	Shale, dark gray, clayey grading Sandy.	12.06	8	982.6
	Calhoun Fm.	5	329	980				
				978.5				

Longyear Diamond

2/2

Date: 5-28-1997

Project No. 004-089 K-6252-01

Location: Croco Road over I-470

<u>Core 1</u>	<u>Core 2</u>	<u>Core 3</u>	<u>Core 4</u>	<u>Core 5</u>
12.3 to 14.1	14.1 to 18.0	18.0 to 23.0	23.0 to 27.9	27.9 to 32.9
999.1 to 997.3	997.3 to 993.4	993.4 to 988.4	988.4 to 983.5	983.5 to 978.5
Cut 1.8	Cut 4.1	Cut 5.0	Cut 4.9	Cut 5.0
Recov. 1.8	Recov. 3.85	Recov. 5.0	Recov. 4.9	Recov. 5.0
RQD= 67%	RQD= 68%	RQD= 100%	RQD= 100%	RQD= 86%

KANSAS DEPARTMENT OF TRANSPORTATION

Report of sample of Geology CoresLaboratory No. 97-2014Date Rep'td. June , 1997Date Rec'd. June 2, 1997Specification No. AASHTO T 208-92 Quantity - - -Source of material ProjectSample from ProjectSubmitted by Delmer Thompson, Lawrence Geology OfficeIdentification marks Tags with samplesProject or POV 004-089 K6252-01, Shawnee County, District 1Type of construction Bridge # 11.89, CrocoRd over I-470, core hole 1 btwn Abutl & P

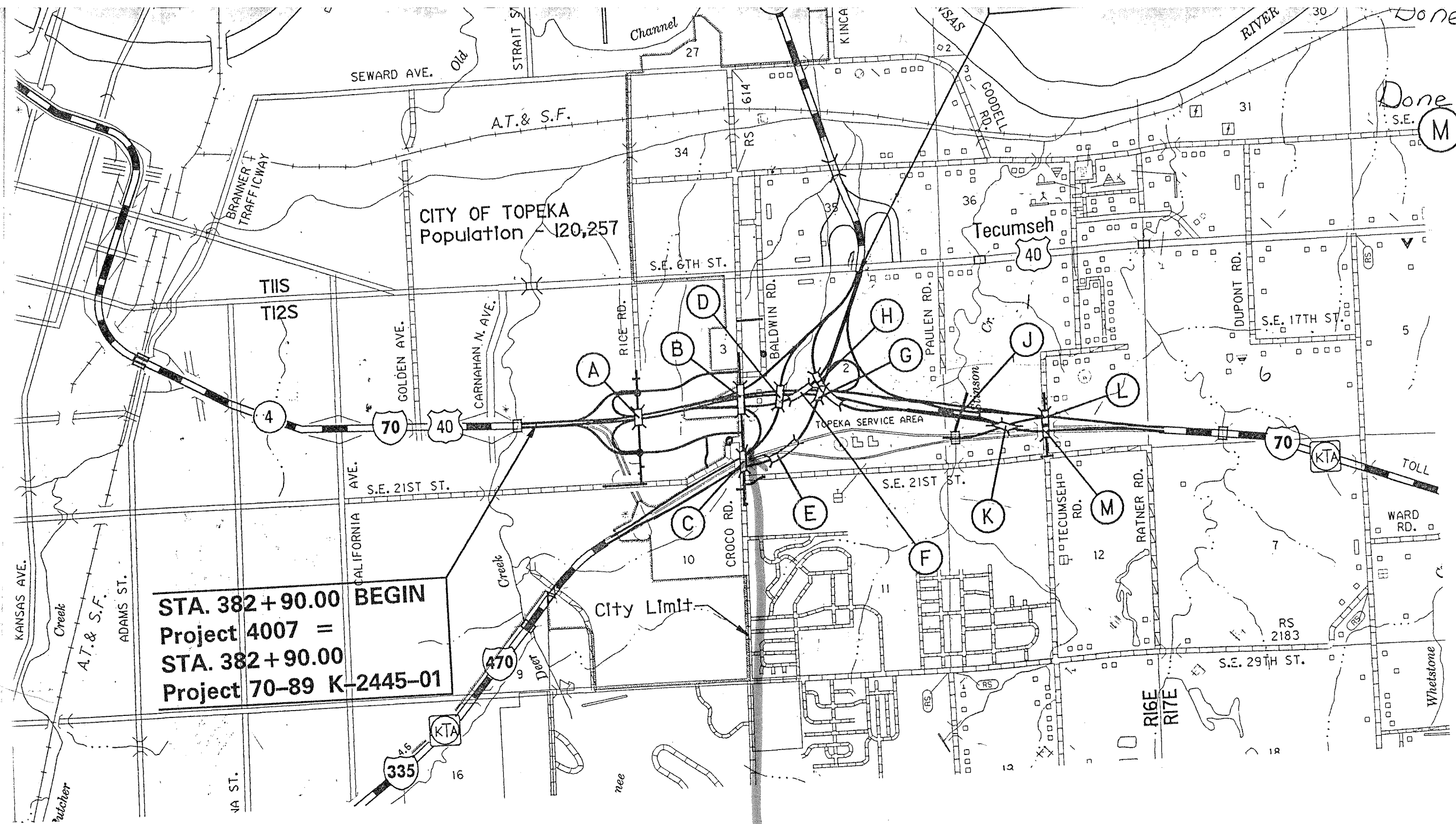
TEST RESULTS

Sample No.	Station	Dist.ft. CL	Depth ft.	Description	Qu. t.s.f.	Sample p.c.f. by Dry Wt.	Moisture (% of Dry Wt.)
1	65+85	54 Lt.	13 ¹ -13 ⁶	Shale, weathered	0.960	106.5	22.9
2	"	"	14 ¹ -14 ⁷	LS, weathered	171.322	146.5	6.9
3	"	"	16 ⁹ -17 ⁵	LS, Lt gray	345.437	154.5	3.9
4	"	"	20 ⁰ -20 ⁷	Ls, gray	436.078	154.0	3.7
5	"	"	21 ⁸ 5-22 ⁴	Shale, Dk gray	13.021	131.7	11.1
6	"	"	22 ⁵ -23 ⁰	Ls, gray	125.826	136.0	9.9
7	"	"	25 ⁴ -26 ²	Ls, Lt gray	316.403	154.8	5.0
8	"	"	28 ⁴ -28 ⁸	Shale, gray	12.062	130.5	11.5

cc: L.S. Ingram
G.R. Koontz
D. Thompson
J.J. Brennan
Soil Section
File

Reported by

James J. BrennanTitle James J. Brennan, Soils Engineer



STA. 521+16.57
 Tecumseh Road
 Br. No. 70-89-21
 70'-125'-70' Cor
 32'-0" Roadway

Note: (I) not u

PF
 HN
 AR
 OV
 DA

Sheets see Sheet No. 2
 out See Sheet No.

GROSS LENGTH OF PROJECT 10,936.33 FT. 2.071 MILES
 EXCEPTIONS FT. MILES
 ADDITIONS FT. MILES

core hole 1
 Shawnee County
 Topeka KS.
 Croco Road over Turnpike
 (2-12-16E)

RECOM. FOR APPROVAL-DATE
CHIEF, BUREAU OF DESIGN KANSAS DEPARTMENT OF TRANSPORTATION
APPROVED - DATE

3-125-16E

2-125-16E



RICE / CROCO NORTH

4N-70W

335S-70

Core hole
(48+62)

Core #2

Core

Core hole here
(450+07)

I-70

70W-4N

Core hole here
(53+43)

70W-335S

core #1
(2050+17, 155 LT.
= 439+36, 64 LT.)

4N-70E

N.B. I-335

S.B. I-335

EA

1st Street

Croco Road

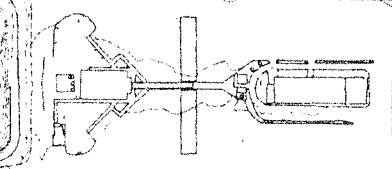
65+85

Core hole here

Core hole here

Core hole here

SERVICE AREA



Turnpike

2nd Street

(EST)